

# University of Utah

Urban Institute of Teacher Education (UITE) &  
Center for Science and Mathematics Education (CSME)

## Elementary STEM Endorsement Program



### Program Description

The six-course Elementary STEM Endorsement Program is designed to develop practicing K-6 teachers' pedagogical content knowledge in science, technology, engineering, and math and to facilitate teachers becoming leaders in STEM education. The University of Utah, in partnership with Granite and Salt Lake City School Districts, will offer teachers rigorous, high-quality coursework and opportunities to interact with STEM faculty at the U. This cohort-based program will allow teachers to collaborate and learn together as they work through fundamental concepts in the elementary science core. Teachers will choose to participate in either the Tuesday or Thursday evening cohort (locations in GSD and SLCSO TBA). Summer courses will be taught in June and early July and take place at the U during the day. Tuition for the program is covered by the STEM Action Center and the USOE. Teachers will be required to pay a \$50 per course recording fee for university credit.

### Program Expectations

The Elementary Endorsement courses are university level classes intended to help teachers gain a deeper understanding of STEM content, teaching and learning. These classes are not professional development workshops. All courses will have required assignments, readings, written reflections, presentations, tests and the expectation that teachers will share their STEM expertise with others at their school, district, and across the state. Teachers that enroll in the program are expected to complete all six-courses during the 20-month sequence and attend all class sessions.

**Applications are due April 30, 2015.**

**To apply on-line please visit:**

<http://goo.gl/forms/bUPjd0JQSa>



### 20-MONTH COURSE SEQUENCE

**NATURE OF SCIENCE & ENGINEERING**  
(Fall 2015)

**ENERGY IN STEM for ELEMENTARY TEACHERS**  
(Spring 2016)

**MATTER IN STEM for ELEMENTARY TEACHERS**  
(Summer 2016)

**FORCES IN STEM for ELEMENTARY TEACHERS**  
(Summer 2016)

**DATA ANALYSIS & PROBLEM SOLVING**  
(Fall 2017)

**STEM PRACTICES – CAPSTONE COURSE**  
(Spring 2017)

**Questions? Please contact**

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